

**It's about time to move to WISER Detectors!**

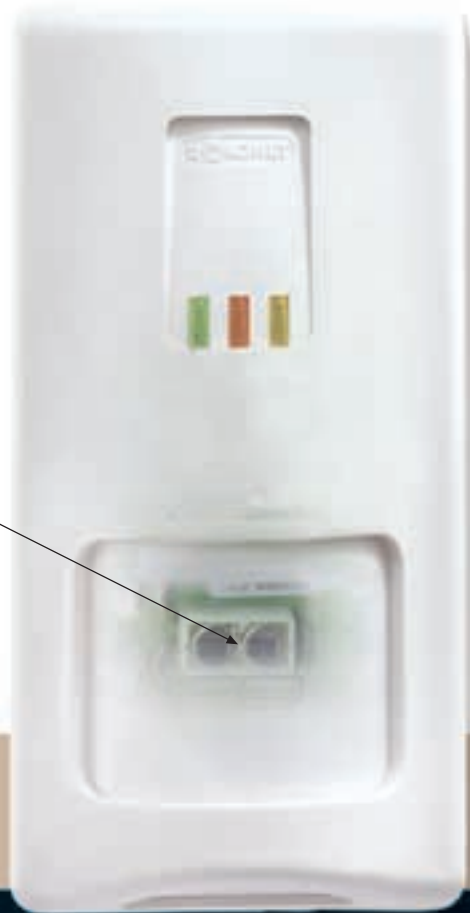
# iWISE™ QUAD

The **iWISE QUAD** has two independent dual-element PIR sensors and processing channels, to reduce false alarms and improve catch performance in hostile environments.

**iWISE QUAD** is an improved version of Rokonet's best selling COSMoS PQ-Quad, with an improved lens design and Intelligent Digital Signal Processing (DSP).

Move to the iWISE series of cutting edge professional detectors, the wisest choice for your customer's peace of mind and your bottom line!

Two dual element  
PIR sensors



- Two independent dual-element sensors and processing channels
- Coverage 15m (50ft)
- Intelligent Digital Signal Processing algorithms
- Flexible installation height up to 3.3 m (10'10")
- 3 LEDs for professional walk test and trouble indication
- Superior false alarm rejection of white light and hot air turbulence
- High RFI immunity
- Optional ceiling/wall/corner-mount swivel brackets

**ROKONET**  
R I S C O G R O U P

Intelligence in the Service of Security

## iWISE Intelligent Digital Signal Processing

**iWISE QUAD** is an improved version of Rokonet's best-selling COSMoS PQ-Quad, with better detection AND better false alarm immunity.

**iWISE QUAD** has an improved lens design and Intelligent Digital Signal Processing methods that automatically adjust the alarm threshold and pulse count verification according to the actual event occurring.

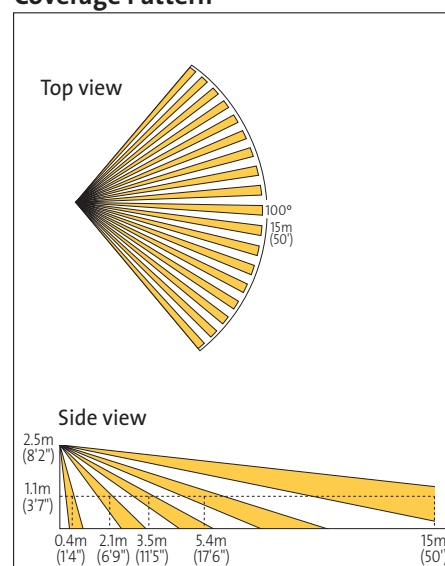
The challenge facing all detector manufacturers is where to set the threshold for alarm. Too high - and the detector is not responsive enough. Too low - and the detector will false alarm. The solution is to take into account as many factors as possible and to adjust the threshold level in real-time according to the event taking place.

iWISE Digital Signal Processing algorithms take into account environmental and intruder behavior factors in order to make an intelligent alarm decision. Among these are True Temperature Compensation, Frequency Compensation and Automatic pulse count adjustment.

### Technical Information

Specifications	
Coverage	15m (50') 100°, 4 vertical levels plus creep zone
Variable mounting height	2.1m to 3.3m (6'11" to 10'10")
Intruder Detection Method	Two Dual Element PIR sensors and Intelligent Digital Signal Processing
Alarm Threshold	Automatically adjusted for walking speed, frequency and room temperature
Pulse count	Automatic adjusted according to signal level and intruder behavior
Installer selectable sensitivity settings	2 jumper selectable sensitivity levels
RFI immunity	30 V/m from 10MHz to 1GHz
Operating Voltage	9-16 VDC
Current Consumption	15 mA at 12VDC 43 mA at 16 VDC (Maximum with all LEDs on)
Alarm and Tamper Contacts	NC, 100mA, 24 VDC
Alarm Time	2.2 seconds minimum
Warm-up time	2 minutes
Optical Filtering for white light protection	Pigmented Fresnel lens
Operating Temperature	-20° C to 55° C (-4° F to 131° F)
Storage Temperature	-20° C to 60° C (-4° F to 140° F)
Dimensions	128 x 64 x 41 mm (5 x 2.5 x 1.6")

### Coverage Pattern



### Ordering Information

Part Numbers	Description
RK800Q00000A	iWISE QUAD 15m
RA91T000000A	iWISE wall swivel with back tamper
RA910000000A	iWISE wall/corner swivel
RA900000000A	iWISE ceiling swivel



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Complies with EN50131-2 requirements

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